

**CONTINUATION
REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)

2271/53467-A1

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and

joint inventor (if plural names are listed below) of the subject matter which is described and claimed

in patent number 5,904,549, granted May 18, 1999, and for which a
reissue patent is sought on the invention entitled METHODS FOR GROWING SEMICONDUCTORS AND
DEVICES THEREFROM FROM THE ALLOY SEMICONDUCTOR GAINNAS

the specification of which

☒ is attached hereto.

☐ was filed on _____ as reissue application number _____

and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

1. The inadvertent failure to include claims such as proposed reissue claim 22 that recites "wherein said nitrogen containing organic compound is selected from the group consisting of monomethylhydrazine, dimethylhydrazine and tertiary butyl amine."
2. The inadvertent failure to include claims such as proposed reissue claim 27 that recites "wherein said nitrogen containing organic compound is monomethylhydrazine."
3. The inadvertent failure to include claims such as proposed reissue claim 23 that recites "wherein said semiconductor comprises not less than 0.5% N."
4. The inadvertent failure to include claims such as proposed reissue claim 44 that claims a light emitting device.
5. The inadvertent failure to include claims such as proposed reissue claim 47 that claims a photodetecting device.
6. The inadvertent failure to include claims such as proposed reissue claim 54 that claims a photoconductive device.
7. The inadvertent failure to include claims such as proposed independent claim 58 and dependent claim 43 that claim a semiconductor device.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)
2271/53467-A1

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

Name(s) Registration Number

Ivan S. Kavrukov	25,161
Richard F. Jaworski	33,515
Paul Teng	40,837

Correspondence Address: Direct all communications about the application to:



Customer Number

23432

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PATENT TRADEMARK OFFICE

<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
City		State		Zip
Country				
Telephone		Fax		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Sunichi SATO

Inventor's signature

Date

Residence 155-5 Nakamachi Higashi,
Watabi-cho, Watabi-gun, Miyagi-ken, Japan

Citizenship

Japan

Mailing Address

Same as Residence

Full name of second joint inventor (given name, family name)

Inventor's signature

Sunichi Sato

Date

Jun 12, 2003

Residence

Citizenship

Mailing Address

Full name of third joint inventor (given name, family name)

Inventor's signature

Date


Residence

Citizenship

Mailing Address

☐ Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.

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CONTINUATION REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT		Docket Number (Optional) 2271/53467-A1
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Sunichi SATO		
Patent Number 5,904,549	Date Patent Issued May 18, 1999	
Title of Invention METHODS FOR GROWING SEMICONDUCTORS AND DEVICES THEREOF FROM THE ALLOY SEMICONDUCTOR GAINNAS		
1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96) 2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect. One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee". The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.		
The assignee(s) owning an undivided interest in said original patent is/are <u>Ricoh Company, Ltd.</u> , and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) Ricoh Company, Ltd.		
Signature 	Date June 18, 2003	
Typed or printed name and title of person signing for assignee (if assigned) Yasuhiro Tabata General Manager of Legal Division		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Ricoh Company, Ltd.Application No./Patent No.: 5,904,549 Filed/Issue Date: May 18, 1999Entitled: METHODS FOR GROWING SEMICONDUCTORS AND DEVICES THEREOF
FROM THE ALLOY SEMICONDUCTOR GAINNASRicoh Company, Ltd., a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 8798, Frame 0190, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

June 24, 2003
Date
212-278-0400
Telephone number

Ivan S. Kavrukov
Typed or printed name
Ivan S. Kavrukov
Signature
Attorney
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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